



DEPARTMENT of ENVIRONMENT and NATURAL RESOURCES  
Minerals & Mining Program - Oil & Gas Section  
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FORM 2

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DEPT OF ENVIRONMENT & NATURAL  
RESOURCES - RCRO

## APPLICATION FOR PERMIT TO DRILL

Type of work: <input type="checkbox"/> Drill New Well <input type="checkbox"/> Reenter Well <input type="checkbox"/> Drill Directional Well <input checked="" type="checkbox"/> Other <u>Horizontal Re-entry</u>		Type of well: <input checked="" type="checkbox"/> Oil Well <input type="checkbox"/> Gas Well <input type="checkbox"/> Injection <input type="checkbox"/> Other _____	
Name and Address of Operator: Prima Exploration Inc. 7555 E. Hampden Ave., Suite 505, Denver, CO 80231		Telephone 303/755-5681	
Name and Address of Surface Owner: Timothy G & Tracy L Brown P.O. Box 205, Buffalo, SD 57720			
Name and Address of Drilling Contractor and Rig Number: Undetermined at this time.			
Surface Location of well: Qtr-Qtr, Sec, Twp, Rge, County, feet from nearest lines of section, and latitude and longitude (if available): NE/4 NW/4 Sec 32-T22N-R4E 908' FNL & 1748' FWL			
If Directional, top of pay and bottom hole location from nearest lines of section: Top of Pay: 8646' BHL(1): 800' FSL & 0' FEL, Sec 29-T22N-R4E BHL(2): 2420' FNL & 660' FEL, Sec 31-T22N-R4E			
Acres in Spacing (Drilling) Unit 20,648 acres		Description of Spacing Unit Unitized - South Buffalo Red River Unit Order #4-97	
Well Name and Number Thomas #B-1R	Elevation 3038' GL	Field and Pool, or Wildcat Buffalo	Proposed Depth and Formation Red River "B" 8646'
Size of Hole 1) 13 1/2" 2) 3) 7 7/8" 4)	Size of Casing 9 5/8" 5 1/2"	Weight per Foot 36# 17 & 20#	Depth 2052' 8898'
Cementing Program (amount, type, additives) Depth 1000sx BJ Lite & 300sx Class G 600sx Class G & 270sx BJ Lite			
Describe Proposed Operations (Clearly State all Pertinent Details, and Give Pertinent Dates, Including Estimated Date of Starting any Proposed Work). Use additional page(s) if appropriate. Well laterals will be drilled out of existing 5 1/2" csg by cutting a northwest facing window at least 10' below the Gunton porosity located at 8502'-8512' landing in the Red River "B" porosity at 8646'-8656'. Out of this window one lateral will turn to the NE and one to the SW to BHL.			
I hereby certify that the foregoing as to any work or operation performed is a true and correct report of such work or operation.			
Signature 		Rich Gunlikson Name (Print) STATE GEOLOGICAL SURVEY Operations Manager WESTERN FIELD OFFICE 2/28/05 Date	
FOR OFFICE USE ONLY			
Approved By:		Title: Oil & Gas Supervisor	
Permit No. 1725		API No. 40 063 20360.01	
Conditions, if any, on attached page.		Date Issued: 03/16/05	